



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

August 15, 2016

Mr. Dave Shelow
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive
Research Triangle Park, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 08/02/16 11:11 through 08/03/16 11:18.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 **FAX:** -

FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE:
SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Ochsner Hospital C1	6080221-01	Air	07/30/16 12:05	08/02/16 11:11
Ochsner Hospital C2	6080221-02	Air	07/30/16 12:05	08/02/16 11:11
Acorn and Hwy 44	6080221-03	Air	07/30/16 12:16	08/02/16 11:11
East St. John the Baptist Hig	6080221-04	Air	07/30/16 11:54	08/02/16 11:11
Fifth Ward Elementary Schoo	6080221-05	Air	07/30/16 12:25	08/02/16 11:11
Levee	6080221-06	Air	07/30/16 12:21	08/02/16 11:11
238 Chad Baker	6080221-07	Air	07/30/16 12:29	08/02/16 11:11
238 Chad Baker	6080326-01	Air	08/02/16 13:24	08/03/16 11:18
Acorn and Hwy 44	6080326-02	Air	08/02/16 13:12	08/03/16 11:18
Ochsner Hospital C1	6080326-03	Air	08/02/16 13:02	08/03/16 11:18
Ochsner Hospital C2	6080326-04	Air	08/02/16 13:02	08/03/16 11:18
East St. John the Baptist Hig	6080326-05	Air	08/02/16 12:57	08/03/16 11:18
Fifth Ward Elementary Schoo	6080326-06	Air	08/02/16 13:20	08/03/16 11:18
Levee	6080326-07	Air	08/02/16 13:16	08/03/16 11:18



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AQS SITE

CODE: SITE CODE: Chloroprene

Description: Ochsner Hospital C1

Lab ID: 6080221-01

Sampled: 07/30/16 12:05

Pressure @ Receipt: 7.50" Hg

Canister #: 5075

Received: 08/02/16 11:11

Comments: Col 1 PR-18 Start 12:06 7/29/16

Analyzed: 08/03/16 18:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	3.09	11.20		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Ochsner Hospital C2

Lab ID: 6080221-02

Sampled: 07/30/16 12:05

Pressure @ Receipt: 8" Hg

Canister #: 5096

Received: 08/02/16 11:11

Comments: Col 2 PR-9 Start 12:06 7/29/16

Analyzed: 08/03/16 19:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.97	10.80		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6080221-03

Sampled: 07/30/16 12:16

Pressure @ Receipt: 7.5" Hg

Canister #: 5115

Received: 08/02/16 11:11

Comments: PR-2 Start 12:17 7/29/16

Analyzed: 08/03/16 22:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.46	5.30		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6080221-04

Sampled: 07/30/16 11:54

Pressure @ Receipt: 8" Hg

Canister #: A22304

Received: 08/02/16 11:11

Comments: PR-5 Start 11:53 7/29/16

Analyzed: 08/03/16 23:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.736	2.67		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6080221-05

Sampled: 07/30/16 12:25

Pressure @ Receipt: 7.50" Hg

Canister #: A21091

Received: 08/02/16 11:11

Comments: PR-7 Start 12:24 7/29/16

Analyzed: 08/04/16 00:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.868	3.15		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Levee

Lab ID: 6080221-06

Sampled: 07/30/16 12:21

Pressure @ Receipt: 7.50" Hg

Canister #: A21022

Received: 08/02/16 11:11

Comments: PR-10 Start 12:20 7/29/16

Analyzed: 08/04/16 01:59

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.75	6.35		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6080221-07

Sampled: 07/30/16 12:29

Pressure @ Receipt: 4.5" Hg

Canister #: A21088

Received: 08/02/16 11:11

Comments: PR-19 Start 12:28 7/29/16

Analyzed: 08/04/16 03:02

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.686	2.49		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6080326-01

Sampled: 08/02/16 13:24

Pressure @ Receipt: 8.5" Hg

Canister #: 5112

Received: 08/03/16 11:18

Comments: PR-99 Start 13:23 8/1/16

Analyzed: 08/04/16 04:05

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.070	0.25		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6080326-02

Sampled: 08/02/16 13:12

Pressure @ Receipt: 8.0" Hg

Canister #: 3256

Received: 08/03/16 11:18

Comments: PR-5 Start 13:11 8/1/16

Analyzed: 08/04/16 05:09

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.243	0.88		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Ochsner Hospital C1

Lab ID: 6080326-03

Sampled: 08/02/16 13:02

Pressure @ Receipt: 8.50" Hg

Canister #: 5146

Received: 08/03/16 11:18

Comments: Col 1 PR-7 Start 12:58 8/1/16

Analyzed: 08/04/16 06:12

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.81	6.57		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Ochsner Hospital C2

Lab ID: 6080326-04

Sampled: 08/02/16 13:02

Pressure @ Receipt: 4.5" Hg

Canister #: 18818

Received: 08/03/16 11:18

Comments: Col 2 PR-19 Start 12:58 8/1/16

Analyzed: 08/04/16 07:15

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.64	5.95		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6080326-05

Sampled: 08/02/16 12:57

Pressure @ Receipt: 7" Hg

Canister #: SAT162

Received: 08/03/16 11:18

Comments: PR-18 Start 12:51 8/1/16

Analyzed: 08/04/16 10:25

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.514	1.87		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6080326-06

Sampled: 08/02/16 13:20

Pressure @ Receipt: 8.0" Hg

Canister #: SAT049

Received: 08/03/16 11:18

Comments: PR-10 Start 13:19 8/1/16

Analyzed: 08/04/16 11:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.85	10.30		0.010



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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Description: Levee

Lab ID: 6080326-07

Sampled: 08/02/16 13:16

Pressure @ Receipt: 9.50" Hg

Canister #: SAT054

Received: 08/03/16 11:18

Comments: PR-4 Start 13:15 8/1/16

Analyzed: 08/04/16 12:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	4.62	16.80		0.010



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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE: SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B6H0304 - Summa Canister Prep

Blank (B6H0304-BLK1)

Prepared: 07/20/16 Analyzed: 08/03/16

Chloroprene	ND	ppbv				U
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Duplicate (B6H0304-DUP1)

Source: 6080221-01 Prepared: 07/30/16 Analyzed: 08/03/16

Chloroprene	2.98	ppbv	3.09	3.53	25	
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Duplicate (B6H0304-DUP2)

Source: 6080221-02 Prepared: 07/30/16 Analyzed: 08/03/16

Chloroprene	2.94	ppbv	2.97	1.03	25	
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Duplicate (B6H0304-DUP3)

Source: 6080326-03 Prepared: 08/02/16 Analyzed: 08/04/16

Chloroprene	1.86	ppbv	1.81	2.96	25	
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Duplicate (B6H0304-DUP4)

Source: 6080326-04 Prepared: 08/02/16 Analyzed: 08/04/16

Chloroprene	1.69	ppbv	1.64	3.21	25	
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FILE #: 0344.00

REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE:
SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1608008

Calibration Check (1608008-CCV1)

Prepared & Analyzed: 08/03/16

Chloroprene	1.08	ppbv	-1.4	30.00
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REPORTED: 08/15/16 14:28

SUBMITTED: 08/02/16 to 08/03/16

AQS SITE

CODE:
SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.